

20-7982



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

649.5113

Job Sheet 197048-A



Part No: 649.5113

Job Qty: 9 pcs

Part Name: Wiper Deflector Shim



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/16/19

Job Tracking No:

Created By: Kimberley Guerin

Due Date: 9/20/19

Type: SOLD

Description:

Note: 649.5100 REV.D IPP REV:A 18.03.28 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
150	QC 6	9 pcs	9/20/19	9/20/19	0.00	0.00	QC 6 - 68		
							QC 6 - 61		
							QC 6 - 40		
							QC 6 - 81		
151	Outsource - 7 - Rework	9 pcs	9/20/19	9/20/19			ATG001-VC		
152	Rework	9 pcs	9/20/19	9/20/19	0.00	0.00	Packaging 2 - 13 B4B		
153	Rework	9 pcs	9/20/19	9/20/19	0.00	0.00	QC 6 - 40		
180	Packaging 3-1 - Stock - B4B	9 pcs	9/20/19	9/20/19	0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		
							Packaging 3 - 6 - B4B		
							Packaging 3 - 7 - B4B		
							Packaging 3 - 8 - B4B		
							Packaging 3 - 9 - B4B		
							Packaging 3 - 10 - B4B		
							Packaging 3 - 11 - B4B		
							Packaging 3 - 12 - B4B		
							Packaging 3 - 13 - B4B		
							Packaging 3 - 14 - B4B		
							Packaging 3 - 15 - B4B		
							Packaging 3 - 16 - B4B		
							Packaging 3 - 17 - B4B		
							Packaging 3 - 18 - B4B		
							Packaging 3 - 19 - B4B		
							Packaging 3 - 20 - B4B		
							Packaging 3 - 21 - B4B		
							Packaging 3 - 22 - B4B		



Container No: S206384



Part: 649.5113

Job No: 197048 - A

Serial No/Batch: S200717

Revision: D

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 08/30/19

THU 9-5-2019

Rosales, Oscar

				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
190	QC 21 - SA	9 pcs ✓	9/20/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53

CCK122

DAB

21

9-09

08-6

12

SWD

SEP 05 2019

Part Op 150 - (QC6- All purchased or subcontracted products)

Descriptions: 151 - - Issue P/O to ATG : _____ - Hard Anodize Black, Type 3, Class 2 as per Dwg. - Prime as per Dwg.

Certification of Conformity is required.

152 - (Pac2-Receive & Inspect for Damage & Mat'l Certs.)

153 - (QC6- All purchased or subcontracted products)

180 - Identify as per dwg & Stock Location: _____

190 - QC21- Final Inspection - Work Order Release

Job BOM

Job BOM records could not be found.

Job Allocations

Job Allocations could not be found.

Part Specifications

Specifications could not be found.

Plex 8/16/19 2:43 PM Dart.Renwick.Jennifer



Ship Via:

Date: 07/26/19

Plex 6/27/19 9:44 AM Dart.Renwick.Jennife

				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
190 QC 21 - SA	20 pcs	9/20/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 110 - (HAAS CNC Vertical Machine) 1-Machine per folio FC009 DWG REV: D FOLIO REV: 3 2-
 Descriptions: deburr and break all sharp edges
 120 - QC2- Inspect parts off machine FAI/FAIB
 130 - QC8- Inspect parts - second check
 135 - - Issue P/O to ATG : 44132 - Hard Anodize Black, Type 3, Class 2 as per Dwg. - Prime as per Dwg.
 Certification of Conformity is required.
 140 - (Receive & Inspect for Damage & Mat'l Certs) Certification of Conformity is required.
 150 - (QC6- All purchased or subcontracted products)
 180 - Identify as per dwg & Stock Location: _____
 190 - QC21- Final Inspection - Work Order Release

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
M7075T6S1.000X1.250	7075 T6 Sheet 1.000X1.250	8.7200 ft (.436 ea)	110-HAAS 4 Axis	<u>5142 517</u>

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-HAAS 4 Axis	M7075T6S1.000X1.250	9	49	0

Part Specifications	
Specifications could not be found.	

Plex 6/27/19 9:44 AM Dart.Renwick.Jennifer



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044132



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044132

PO Date: 7/29/19

Due Date: 8/2/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
2019-07-30

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	196725	RB6795969-3	Shank -Issue P/O; -ANODIZE COLOR RED, PER IAW MIL-A- 8625 TYPE-2 CLASS-2, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	8/2/19	4 pcs	0 pcs	4 pcs	\$18.46/pcs	\$73.84
2	197043	649.5110	Wiper Deflector : Various STC's (Outsource process-Anodize per QSI017 4.1.10.1) Outsource process-Anodize per QSI017 4.1.10.1 Issue P/O to ATG : 1- Black Anodize as per Dwg 649.5100 2- PRIME AS PER DWG, SEE NOTE #2 Certification of Conformity is required	Firmed	-	8/2/19	16 pcs	0 pcs	16 pcs	\$10.35/pcs	\$165.60



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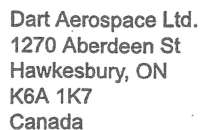
PURCHASE ORDER

POHB044132



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	192401	D4822-1	Upper Deflector, LH : Various STC's HARD ANODIZE IAW MIL-A-8625 TYPE 3 COLOUR BLACK PRIME AS PER DWG D4821 REV. B	Firmed	-	8/2/19	8 pcs	0 pcs	8 pcs	\$31.80/pcs	\$254.40
							8 X	AUG 07 2019			
4	197040	649.5011	Deflector : Various STC's (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG: AS PER MPP- 172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A- 8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF- 23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed	-	8/2/19	10 pcs	0 pcs	10 pcs	\$12.30/pcs	\$123.00
							10 X	AUG 07 2019			
5	197041	649.5012	Deflector : Various STC's Issue P/O to ATG: AS PER MPP- 172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A- 8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF- 23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed	-	8/2/19	20 pcs	0 pcs	20 pcs	\$9.10/pcs	\$182.00
							20 X	AUG 07 2019			



Tel (613) 632-5200

PURCHASE ORDER
POHB044132



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	197048	649.5113	Wiper Deflector Shim : Various STC's - Issue P/O to ATG : - Hard Anodize Black, Type 3, Class 2 as per Dwg. - Prime as per Dwg. Certification of Conformity is required.	Firmed	-	8/2/19	20 pcs	0 pcs	20 pcs	\$8.05/pcs	\$161.00
7	195056	RB T103347-101-103	Support Assembly -Issue P/O; -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	8/2/19	3 pcs	0 pcs	3 pcs	\$18.46/pcs	\$55.38
Line Item Note **this piece is require RUSH***											
	198386			Firmed	-	8/2/19	2 pcs	0 pcs	2 pcs	\$18.46/pcs	\$36.92
Sub Total:							5	0	5		\$92.30
Grand Total:											\$1,052.14



Dart Aerospace Ltd.
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PURCHASE ORDER
POHB044132



Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A022 Apical Processing

A024 process certifications

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/30/19 2:35 PM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918352

Date: 06-Aug-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
✓ 16 ea	Part: 649.5110 ✓ Wiper Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 25668 PO: POHB044132 ✓		Rev: D Line: 2
✓ 8 ea	Part: D4822-1 ✓ Upper Deflector, LH Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 25669 PO: POHB044132 ✓		Rev: B Line: 3
✓ 10 ea	Part: 649.5011 ✓ Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 25670 PO: POHB044132 ✓		Rev: D Line: 4
✓ 20 ea	Part: 649.5012 ✓ Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied),		Rev: D

RECEIVED

AUG 07 2019

DART AEROSPACE LTD.

Made in Canada.

RECEIVED

AUG 07 2019

DART AEROSPACE LTD.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918352

Date: 06-Aug-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	.0001-.0002" (1 - 2 mils) per drawing. Job: 25671 PO: POHB044132	Line: 5	
20 ea	Part: 649.5113 Wiper Deflector Shim Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 25672 PO: POHB044132	Rev: D Line: 6	DAS 81 9-89
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. AUG 06 2019 Date: _____ Certified Signature:  _____ Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044291



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044291

PO Date: 8/20/19

Due Date: 8/27/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground
Pynt Terms: Net 30

Freight Terms:

Special Comments: **RE-WORK**

MAILED
2019-08-20

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	197041-A	649.5012	Deflector : Various STC's Issue P/O to ATG: AS PER MPP- 172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A- 8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF- 23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed -		8/27/19	2 pcs	0 pcs	2 pcs	\$0.01/pcs	\$0.02
Line Item Note **NO CHARGE RE-WORK**											
2	197048-A	649.5113	Wiper Deflector Shim : Various STC's - Issue P/O to ATG : Hard Anodize Black, Type 3, Class 2 as per Dwg. - Prime as per Dwg. Certification of Conformity is required.	Firmed -		8/27/19	9 pcs	0 pcs	9 pcs	\$0.01/pcs	\$0.09



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044291



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
Line Item Note **NO CHARGE RE-WORK**											
Grand Total:											\$0.11
Order Notes											
Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A022 Apical Processing A024 process certifications A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents A048 counterfeit parts avoidance, detection, mitigation and disposition program A049 supplier awareness Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.											

Plex 8/20/19 11:35 AM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918491

Date: 28-Aug-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
2 ea	Part: 649.5012 Rev: D Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 25852 Line: 1 PO: POHB044291		
9 ea	Part: 649.5113 Rev: D Wiper Deflector Shim Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 25853 Line: 2 PO: POHB044291		
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>AUG 28 2019</u> Certified Signature: <u></u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. Made in Canada.			

RECEIVED
AUG 29 2019
DART AEROSPACE LTD.

JE Date: Feb 19/2020



NCR No.

20-7982

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only

Job: 197048		DISPOSITION		DEPARTMENT/PROCESS					
Part No. 649.5113		Rework ☒ Scrap ☐ Use-as-is ☐		Skid-tube ☐ Machining ☐ Large Fab ☐	Cross tube ☐ Small Fab ☐ Finishing ☐	Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐	Engineering ☐ Water Jet ☐ Supplier ☒ Quality ☐		
Date: AUG 14 2019		Sequence #: QC 6		QTY Affected: 9 OF 20			MRB (QSI042)		
Description Work Order Deviation		Disposition			DAS 9 9-89 19-12-20				
Parts received with flaking primer & uneven coating.		STIP PART Strip primer + primer @ Dart per drawing.			Completed By 81 9-89 19-12-20				
					Lead hand / Supervisor R. [Signature] 14-12-20				
					QC / QA Coordinator DAS 9 9-89 19-12-20				
Root Cause		FAULT CATEGORY							
Operator ☐ Manufacturing Process ☒ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up		☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☒ Finish ☐ Part Lost/Missing ☐ Misread	
		Other/Details:							